

CIOO /

County Atchison

sec. 29 twp. 65 rge. 39

owner Cities Service Oil Co.

elev. 1092 MGS# 7968 spl ✓

farm Gray, Glen No. 1 TD 2427 fm ^{Dev ("Hutton lime")} TD ✓ shows 05

status D&A date completed 9-30-42

remarks: 330'E - 330'N of SW cor.
geolograph chart in sample log file (477'-TD)

Log of Cities Service Oil Company No. 1 Glen Gray. Location: 330 feet east and 330 feet north of southwest corner of sec. 29, T. 65 N., R. 39 W., Atchison County, Missouri, near Tarkio. Surface elevation, 1092 feet. Commenced, 9-1-1942, and completed, 9-30-1942. Dry and abandoned. Total depth, 2427 feet. Rotary test. Casing record: 10 3/4 inch set at 361 feet (cemented); and 6 5/8 inch at 1458 feet (cemented to test oil showing). Contractor: Jock Garden.

FORMATIONAL SUMMARY

	Thickness, feet	Depth, feet
No samples (Pleistocene and Pennsylvanian)	360	360
Pennsylvanian system:		
Shawnee group	80?	440?
Douglas-Pedee groups (Oread, 440 ? - 490 ? ft.)	192?	632
Lansing-Kansas City groups	278	910
Pleasanton, Henrietta-Cherokee groups	929	1839
Mississippian system:		
Spergen formation	31	1870
Warsaw formation	50	1920
Keokuk-Burlington formations	90	2010
Chouteau formation	62	2072
Kinderhook shale	255	2327
Devonian system:		
"Hunton lime"	100	2427, T.D.

NOTE: A siderite zone occurred between 1365-1370 ft. The cuttings were chiefly gray shale between 1405-1485 ft., but oil stains were found in fragments of sand at various depths. Stains were noted at: 1405-1410 ft., 1425-1430 ft., 1435-1440 ft., 1445-1450 ft., and 1460-1485 ft. After being drilled into the Devonian, this well was plugged back and an unsuccessful attempt was made to complete it as a producer. Although tested as a dry hole, this well lead to the opening of the Tarkio pool, the first in Missouri north of the old shallow pools in the Kansas City area.

RECENT DRILLING
in
NORTHWESTERN MISSOURI

By
FRANK C. GREENE



REPORT OF INVESTIGATIONS NO. 1
1945

EDWARD L. CLARK, *Director and State Geologist*
MISSOURI GEOLOGICAL SURVEY AND
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